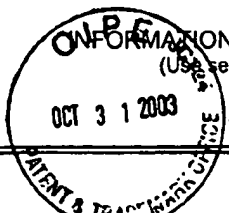


FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE 	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 4471-1-DIV-CON	SERIAL NO. 10/625,916
	INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			
	APPLICANT DRAKE et al.		FILING DATE July 23, 2003	

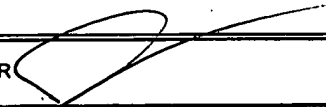
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<i>R</i>	1.	5,534,137	07/09/1996	Rosenbloom	208	390	
<i>K</i>	2.	604,330	05/17/1898	G. F. Kibling			
<i>K</i>	3.	4,116,487	09/26/1978	Yamazaki et al.	299	1	
<i>R</i>	4.	4,216,999	08/12/1980	Hanson	299	57	

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)


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	1.	4,055,959	11/01/77	Fritz	61	85	
	2.	4,099,388	07/11/78	Hösemann et al.	61	85	
	3.	4,911,578	03/27/90	Babendererde	405	146	
	4.	5,051,033	09/24/91	Grotenhofer	405	147	
	5.	5,141,363	08/25/92	Stephens	405	150.1	
	6.	5,174,683	12/29/92	Grandori	405	145	
	7.	6,003,953	12/21/99	Huang et al.	299	85.1	

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							YES	NO

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8.	Stack, Barbara; <u>Handbook of Mining and Tunneling Machinery</u> (John Wiley & Sons 1982), pp. 283, 311.

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	AA	2003-0160500 A1	08/28/03	Drake et al.			01/09/03

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	AB	WO 01/69042 A1	09/20/01	PCT	E21D	11/10		

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an	1	6,206,478	03/27/01	Uehara et al.	299	33	
	2	6,027,175	02/22/00	Seear et al.	299	18	
	3	6,017,095	1/25/00	DiMillo	299	56	
	4	5,890,771	4/6/99	Cass	299	31	
	5	5,879,057	03/09/1999	Schwoebel et al.	299	17	
	6	5,852,262	12/22/98	Gill et al.	181	106	
	7	5,831,934	11/3/98	Gill et al.	367	25	
	8	5,697,676	12/16/97	Kashima et al.	299	60	
	9	5,330,292	07/1994	Sakanishi et al.	299	1.05	
	10	5,211,510	5/18/93	Kimura et al.	405	184	
	11	5,205,613	4/27/93	Brown, Jr.	299	31	
	12	5,125,719	6/30/92	Snyder	299	31	
	13	4,946,579	08/07/90	Sury	210	705	
	14	4,858,936	08/15/1989	Hentschel et al.	405	145	
	15	4,808,030	2/28/89	Takegawa	405	146	
	16	4,793,736	12/27/88	Thompson et al.	405	146	
	17	4,774,470	09/1988	Takegawa et al.	175	50	
	18	4,607,889	8/26/86	Hagimoto et al.	299	33	
	19	4,603,909	8/5/86	LeJeune	299	7	
	20	4,505,516	3/19/85	Shelton	299	2	
	21	4,494,799	1/22/85	Snyder	299	31	
	22	4,486,050	12/4/84	Snyder	299	18	
	23	4,458,947	07/1984	Hopley et al.	299	11	
	24	4,445,723	05/1984	McQuade	299	11	
n	25	4,440,449	04/1984	Sweeney	299	11	

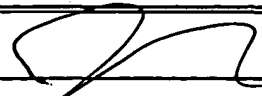
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28	4,167,290	9/11/79	Yamazaki et al.	299	1	
29	4,152,027	5/1/79	Fujimoto et al.	299	1	
30	4,072,018	02/1978	Alvarez-Calderon	264	32	
31	4,067,616	1/10/78	Smith et al.	299	7	
32	3,960,408	6/1/76	Johns	299	19	
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38	3,034,773	5/15/62	Legatski	262	2	

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							YES	NO
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40	2,332,207	01/24/01	Canada	E21C	41/26	X		
41	2,315,596	05/04/00	Canada	B03B	9/02	X		
42	2,222,668	11/26/97	Canada	C10G	1/04	X		
43	2,124,199	11/22/91	Canada	B03B	9/02	X		
44	1,167,238	05/15/84	Canada	B01J	8/10	X		
45	1,165,712	04/17/84	Canada	C10G	1/04	X		
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